Performance Data Sheet

AJE4461YXA

General Information

Model	AJE4461YXA	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	100V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1170	996	820	644
	Watts (Power)	448	489	515	527
	Amps	7.31	7.66	7.89	8.00
-5	Watts (Capacity)	1270	1080	894	707
	Watts (Power)	458	503	536	554
	Amps	7.37	7.78	8.06	8.23
0	Watts (Capacity)	1590	1360	1140	912
	Watts (Power)	484	544	594	632
	Amps	7.55	8.11	8.55	8.87
5	Watts (Capacity)	1970	1690	1420	1150
	Watts (Power)	507	580	647	705
	Amps	7.72	8.44	9.04	9.51
7.2	Watts (Capacity)	2160	1850	1560	1270
	Watts (Power)	515	595	669	735
	Amps	7.80	8.58	9.25	9.79
10	Watts (Capacity)	2410	2080	1750	1440
	Watts (Power)	526	613	696	773
	Amps	7.89	8.76	9.51	10.1
15	Watts (Capacity)	2930	2530	2140	1770
	Watts (Power)	541	642	741	838
	Amps	8.04	9.07	9.98	10.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.291309E+03	2.711289E+02	5.159678E+00	
C2	9.959464E+01	-2.298727E-01	-5.831978E-02	
C3	-2.372422E+01	7.524894E+00	9.770047E-02	

C4	1.612579E+00	-5.791907E-02	-1.581999E-04	
C5	-1.066254E+00	8.326002E-02	3.113528E-03	
C6	1.008981E-02	-2.624684E-03	-5.969151E-04	
C7	8.680244E-03	3.976802E-04	0.000000E+00	
C8	-1.512368E-02	-6.034687E-04	0.000000E+00	
C9	2.428373E-03	2.858805E-03	0.000000E+00	
C10	3.850762E-05	-3.769901E-04	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AJE4461YXA

General Information

Model	AJE4461YXA	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1400	1210	987	738
	Watts (Power)	558	610	640	627
	Amps	7.51	7.94	8.13	8.08
-5	Watts (Capacity)	1510	1320	1080	815
	Watts (Power)	574	631	669	667
	Amps	7.61	8.11	8.36	8.37
0	Watts (Capacity)	1890	1660	1380	1070
	Watts (Power)	620	692	752	780
	Amps	7.89	8.58	9.03	9.23
5	Watts (Capacity)	2330	2060	1730	1370
	Watts (Power)	663	748	829	886
	Amps	8.16	9.04	9.69	10.1
7.2	Watts (Capacity)	2540	2250	1910	1520
	Watts (Power)	680	771	861	930
	Amps	8.27	9.24	9.97	10.5
10	Watts (Capacity)	2830	2520	2140	1720
	Watts (Power)	700	798	899	984
	Amps	8.41	9.49	10.3	10.9
15	Watts (Capacity)	3420	3050	2620	2130
	Watts (Power)	732	841	962	1070
	Amps	8.66	9.93	11.0	11.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.125460E+03	5.492198E+02	4.338866E+00	
C2	9.480333E+01	9.342390E+00	-6.092770E-02	
C3	6.730249E+00	-5.431974E+00	1.550799E-01	

C4	1.586396E+00	-8.890157E-03	-2.437696E-04	
C5	-2.475499E-01	-2.424579E-01	3.866658E-03	
C6	-5.681552E-01	3.656181E-01	-1.225288E-03	
C7	8.090249E-03	-1.422069E-03	0.000000E+00	
C8	-1.132577E-02	-2.154292E-03	0.000000E+00	
C9	-6.857683E-03	7.532333E-03	0.000000E+00	
C10	2.711764E-03	-3.517325E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature